

when the thermometer outside was 18 degrees below zero. A. I am not prepared to state it. I have a record not here. My impression is that it was 65 degrees on the average, throughout.

Q. And that was some time after the fires had been banked and the steam shut off. A. Yes, sir, Great pains were taken not to let the engineer know any thing about the fact that the experiment was to be made. I had orders from the trustees to be careful that he should know nothing about it. We shut the fires off earlier than usual that night on account of sickness in his family. I said nothing to him about it, and was the only one who could have known it so far as I have knowledge.

Q. Do you remember whether any other officer of the institution besides the trustees was with you. A. Yes, I think the superintendent was present. I would not be clear as to that.

Q. You can bring the figures of your record I suppose so as to give it exactly. A. I think I can.